

## LIGHTING FIXTURE SCHEDULE

FIXTURE SYMBOL	QUANT'Y				LAMPS	CATALOG NUMBER	BALLAST				FIXTURE DESCRIPTION	REMARKS	DIFFUSING MEDIUM	TRIM COLOR				MOUNTING	SEE NOTES		
	FLUORESCENT	INCANDESCENT	H. I. D.	LAMP WATTAGE			MAGNETIC	ELECTRONIC	DIMMING	REMOTE				VOLTAGE	BLACK	WHITE	ALUMINUM			STANDARD	SEE NOTE
CV1	2	-	-	32	T8/841		○			120	LINEAR ROUND ASYMMETRIC WALL WASH FIXTURE		INTEGRAL	○				COVE			
R1	2	-	-	32	T8/841		○			120	2' X4' 2-LAMP HIGH-EFF. VOLUMETRIC TROFFER		INTEGRAL	○				RECESSED			
R2	-	-	-	75	A19		○	○		120	6' LED-ENGINE CAN, NON-FERROUS		LENS			○		RECESSED			
R3	2	-	-	32	U6T8/841		○	○		120	2' X2' 2-LAMP HIGH-EFF. VOLUMETRIC TROFFER		INTEGRAL	○				RECESSED	1,2		
R3B	2	-	-	32	U6T8/841		○	○		120	2' X2' 2-LAMP HIGH-EFF. VOLUMETRIC TROFFER		INTEGRAL	○				RECESSED	3		
R4	2	-	-	13	13W DPL / 841		○			120	6' 2-LAMP RECESSED OPEN CAN FIXTURE		INTEGRAL	○				RECESSED			
R5	1	-	-	32	T8/841		○			120	1' X4' 1-LAMP HIGH-EFF. VOLUMETRIC TROFFER		INTEGRAL	○				RECESSED			
R6	2	-	-	32	U6T8/841		○			120	2' X4' 2-LAMP HIGH-EFF. VOLUMETRIC TROFFER		INTEGRAL	○				RECESSED	4		
R7	2	-	-	32	U6T8/841		○			120	1' X 4' INDUSTRIAL STYLE WITH CHAIN SUSP.		NONE	○				CHAINS/SUSP.			
W1	1	-	-	42	42W DPL / 841		○			120	14' BLDG. MTD. WALL FXT., TYPE IV DOWN DIST.	EMERGENCY	INTEGRAL				○	WALL			
X1	-	-	-	-	LED WITH UNIT					120	DIE-CAST ALUM. EXIT SIGN NO BATT. 1 FACE		RED LETTERS	○				UNIVERSAL			
X2	-	-	-	-	LED WITH UNIT					120	DIE-CAST ALUM. EXIT SIGN NO BATT. 2 FACES		RED LETTERS	○				UNIVERSAL			

### SCHEDULE NOTES:

- FIXTURES WITH AN "B" DESIGNATION INDICATE 10% DIMMABLE FLUORESCENT BALLASTS.
- FIXTURES WITH AN "A" DESIGNATION INDICATE EMERGENCY BALLASTS.
- R3B FIXTURES IN PATIENT HOLDING AREAS ARE NON-EMERGENCY, AND SHALL HAVE 10% DIMMABLE BALLASTS.
- THESE FIXTURES, LOCATED ABOVE CT SCANNER, REQUIRE SPECIAL "NATURE SCENE" LENSES. PROVIDE SAMPLE TO THE CDR (SAMPLE OF LENS SELECTION) PRIOR TO ORDERING MATERIALS.

## ELECTRICAL SYMBOLS LEGEND

B2	F1	LIGHTING FIXTURE - CAPITAL LETTER INDICATES TYPE. SEE FIXTURE SCHEDULE FOR DETAILS.
B2E	X1	FLUORESCENT FIXTURE WITH INTEGRAL EMERGENCY BATTERY BALLAST.
K1	OH	WALL MOUNTED FIXTURE.
X1		EXIT LIGHT - ARROWS AS INDICATED.
EM		EMERGENCY BATTERY PACK MOUNTED PER A.D.A.
PL1		POLE MOUNTED FIXTURE - REFER TO FIXTURE SCHEDULE AND DETAILS.
S		20A, 120-277V SINGLE POLE SWITCH. MOUNT AT 48" A.F.F. HUBBELL #12211.
S3		20A, 120-277V THREE WAY SWITCH. MOUNT AT 48" A.F.F. HUBBELL #12231.
S4		20A, 120-277V FOUR WAY SWITCH. MOUNT AT 48" A.F.F. HUBBELL #12241.
S <sub>P</sub>		20A, 120-277V SINGLE POLE SWITCH WITH PILOT LIGHT. MOUNT AT 48" A.F.F. HUBBELL #1221PL.
S <sub>D</sub>		DIMMER SWITCH - REFER TO DRAWING NOTES FOR TYPE. MOUNT AT 48" A.F.F.
S <sub>W</sub>		MANUAL STARTER SWITCH - SQUARE D CLASS 2510 TYPE FS1P. MOUNT AT 48" A.F.F.
⊖		20A, 125V DUPLEX RECEPTACLE. MOUNT AT 18" A.F.F. HUBBELL #53621.
⊖		20A, 125V DOUBLE DUPLEX RECEPTACLE. MOUNT AT 18" A.F.F. HUBBELL #53621.
⊖		20A, 125V DUPLEX RECEPTACLE WITH ISOLATED GROUND. MOUNT 18" A.F.F. HUBBELL #IG53621.
⊖		20A, 125V DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER. HUBBELL #53621.
⊖		20A, 125V DUPLEX RECEPTACLE WITH ISOLATED GROUND MOUNTED ABOVE COUNTER. HUBBELL #IG53621.
⊖		20A, 125V GFCI DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER OR AS NOTED. HUBBELL #GFC53621.
⊖		20A, 125V GFCI DUPLEX RECEPTACLE WITH WP ENCLD-SURE. MOUNT AT 12" ABOVE FINISHED GRADE. HUBBELL #GFC53621.
⊖		SPECIAL RECEPTACLE - TYPE AS INDICATED.
⊖		FLUSH FLOOR BOX FOR ELECTRIC SERVICE - REFER TO DRAWING NOTES FOR BOX, RECEPTACLE AND COVER TYPE.
⊖		20A, 125V SINGLE RECEPTACLE. MOUNT AT 18" A.F.F. HUBBELL #53611.
⊖		CLOCK OUTLET WITH SIMPLEX 2975-9038 CLOCK & 6310-4017 24 HR. DIAL.
⊖		TELEPHONE OUTLET. MOUNT AT 18" A.F.F. "W" = MOUNT 48" A.F.F. PROVIDE 1" EMPTY CONDUIT TO ABOVE REMOVABLE CEILING.
⊖		DATA OUTLET. MOUNT AT 18" A.F.F. OR AS NOTED. PROVIDE 1" EMPTY CONDUIT TO ABOVE REMOVABLE CEILING.
⊖		COMBINATION DATA/TELEPHONE OUTLET
⊖		CCTV CAMERA
⊖		FLUSH FLOOR BOX FOR COMMUNICATIONS SERVICES - REFER TO DRAWING NOTES FOR BOX, JACK AND COVER TYPES.
⊖		FIRE ALARM PULL STATION. MOUNTING HEIGHT PER A.D.A.
⊖		FA AUDIO/VISUAL INDICATING DEVICE. MOUNTING HEIGHT PER A.D.A.
⊖		FA VISUAL INDICATING DEVICE. MOUNTING HEIGHT PER A.D.A.
⊖		HEAT DETECTOR.
⊖		SMOKE DETECTOR.
⊖		DUCT SMOKE DETECTOR.
⊖		SPRINKLER VALVE TAMPER SWITCH. FURNISHED BY FIRE PROTECTION CONTRACTOR - WIRED BY ELECTRICAL CONTRACTOR.
⊖		SPRINKLER FLOW SWITCH. FURNISHED BY FIRE PROTECTION CONTRACTOR - WIRED BY ELECTRICAL CONTRACTOR.
⊖		DRY SPRINKLER PRESSURE SWITCH. FURNISHED BY FIRE PROTECTION CONTRACTOR - WIRED BY ELECTRICAL CONTRACTOR.
⊖		SPRINKLER SUPERVISORY VALVE - POST INDICATOR - WIRED BY ELECTRICAL CONTRACTOR.
⊖		CEILING SPEAKER WITH INTEGRAL VOLUME CONTROL: FOURWAY #SDTP3-CR8 WITH VOLUME CONTROL OR EQUAL. FOURWAY #TBBX T-BAR SUPPORT OR EQUAL. FOURWAY #PH8-4X ENCLOSURE OR EQUAL.
⊖		CEILING SPEAKER WITHOUT INTEGRAL VOLUME CONTROL: FOURWAY #SDTP3-CR8 OR EQUAL. FOURWAY #TBBX T-BAR SUPPORT OR EQUAL. FOURWAY #PH8-4X ENCLOSURE OR EQUAL.
⊖		CARD READER / PROXIMITY READER
⊖		NURSE CALL DEVICE
⊖		DOME LIGHT (NURSE CALL)
⊖		NURSE CALL PULL CORD DEVICE
⊖		INTERCOM DEVICE
⊖		POWER SUPPLY FOR ELECTRIC LATCH.
⊖		EQUIPMENT CONNECTION. TYPE AS INDICATED.
⊖		PUSHBUTTON CONTROL. REFER TO DRAWING NOTES.
⊖		DOOR CONTACT.
⊖		DISCONNECT SWITCH. REFER TO DRAWING NOTES.
⊖		COMBINATION MAGNETIC STARTER. REFER TO MECHANICAL EQUIPMENT SCHEDULE FOR SIZE AND TYPE.
⊖		NURSE CALL MASTER STATION.
⊖		208Y/120V, 3PH, 4W PANEL.
⊖		480Y/277V, 3PH, 4W PANEL.
⊖		JUNCTION BOX.
⊖		CIRCUITRY - EXPOSED OR ABOVE CEILING.
⊖		CIRCUITRY - CONCEALED IN FLOOR OR RUN UNDER-GROUND.
⊖		CIRCUIT HOMERUN. LETTERS REFER TO PANEL ID, NUMBERS REFER TO CIRCUIT.
⊖		ELECTRICAL DRAWING NOTE.
⊖		ELECTRICAL DEMOLITION NOTE.
⊖		ROOM NUMBER.
⊖		WEATHERPROOF.
⊖		A.F.F. ABOVE FINISHED FLOOR.
⊖		O.S. OCCUPANCY SENSOR LIGHTING CONTROL.

## GENERAL NOTES - ELECTRICAL

- THE ELECTRICAL CONTRACTOR SHALL NOT REMOVE ANY ITEM OF EXISTING EQUIPMENT FROM SERVICE WITHOUT THE OWNER'S PERMISSION. ALL OUTAGES MUST BE SCHEDULED WITH THE OWNER A MINIMUM OF FIVE DAYS PRIOR TO THE TIME THE OUTAGE IS NEEDED. ANY EXPENSE INCURRED BY THE OWNER DUE TO THE CONTRACTORS FAILURE TO COMPLY WITH THIS REQUIREMENT, WILL BECOME THE CONTRACTOR'S RESPONSIBILITY. COORDINATE MAJOR SHUTDOWNS WITH COR.
- THE ELECTRICAL CONTRACTOR SHALL INCLUDE (IN BID) OVERTIME THAT WILL BE REQUIRED TO PERFORM WORK INVOLVING AN OFF-HOURS OUTAGE. COORDINATE ANY NIGHT / WEEKEND WORK WITH THE COR IN ADVANCE.
- CHANGES TO THE EXISTING ELECTRIC UTILITY SERVICE MUST BE APPROVED BY THE OWNER, THE ARCHITECT AND THE ENGINEER.
- BOND ALL PIPING SYSTEMS INCLUDING WATER AND GAS PER NEC ARTICLE 250-104.
- ACTUAL CONDUIT ROUTINGS ARE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR. COORDINATE WITH THE OTHER TRADES AND THE ARCHITECT.
- ALL WIRING SHALL BE INSTALLED IN CONDUIT. WIRING RATED FOR USE IN RETURN AIR PLENUM SHALL BE PERMITTED WITHOUT THE USE OF CONDUIT WHERE INDICATED IN THE DRAWINGS AND SPECIFICATIONS.
- NEW CONDUIT PENETRATIONS THROUGH ANY FIRE OR SMOKE RATED WALLS SHALL BE SEALED WITH APPROVED FIRESTOPPING MATERIAL.
- ALL CIRCUITS SHALL HAVE A FULL-SIZE NEUTRAL. ALL FLUORESCENT AND HID LIGHTING CIRCUITS SHALL HAVE EITHER A FULL-SIZE NEUTRAL OR A SHARED NEUTRAL SIZED FOR A CAPACITY OF 200% OF THE PHASE CONDUCTORS.
- ALL CIRCUITS SHALL INCLUDE A CODE SIZED GREEN EQUIPMENT GROUNDING CONDUCTOR.
- THE MINIMUM CONDUIT SIZE IS 3/4".
- ALL EMPTY CONDUITS FOR TELEPHONE AND DATA (COMMUNICATIONS) SHALL BE STUBBED ABOVE ACCESSIBLE SUSPENDED ACOUSTIC CEILING.
- THE MINIMUM COMMUNICATIONS CONDUIT SIZE IS 1".
- THE ELECTRICAL CONTRACTOR SHALL VERIFY ALL MOUNTING HEIGHTS WITH THE ARCHITECT PRIOR TO ROUGH-IN.
- RECESSED DEVICES IN WALLS MAY REQUIRE SHALLOW BOXES. VERIFY WITH ARCHITECTURAL DRAWINGS.
- WALL MOUNTED OUTLETS AND SWITCHES ARE TO BE INSTALLED WITH MINIMUM SEPARATION IN DUAL OR MULTIPLE PLACEMENT CONDITIONS USING A SINGLE PLATE WHERE APPLICABLE. THIS INCLUDES COMMUNICATIONS OUTLETS AND SPEAKER VOLUME CONTROLS.
- THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL LIGHTING FIXTURES, MOUNTING ACCESSORIES, ELECTRONIC BALLASTS, COLOR CORRECTED LAMPS, FUSES, ETC., FOR A COMPLETE INSTALLATION.
- REFERENCE ARCHITECTURAL REFLECTED CEILING PLANS FOR THE EXACT FIXTURE LOCATIONS AND MOUNTING HEIGHTS. VERIFY CEILING TYPE PRIOR TO ORDERING FIXTURES.
- ALL FIXTURES SHALL HAVE A LABEL INDICATING LAMP TYPE AFFIXED TO THE INSIDE OF LAMP CHAMBER. OUT OF NORMAL VIEW INTO THE FIXTURE. THE CONTRACTOR IS TO PROVIDE 10% SPARE LAMPS MINIMUM.
- ALL LIGHTING JUNCTION BOXES SHALL BE 4 11/16" SQUARE OR 4" OCTAGONAL x 2 1/8" DEEP WITH BLANK COVER UNLESS OTHERWISE NOTED.
- FIRE ALARM WIRING WILL BE RUN IN CONDUIT ONLY.
- USE RED JUNCTION BOXES FOR FIRE ALARM WIRING.
- THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL LINE VOLTAGE CONTROL WIRING FOR MECHANICAL AND PLUMBING EQUIPMENT. LOW VOLTAGE CONTROL WIRING FOR MECHANICAL AND PLUMBING EQUIPMENT WILL BE THE RESPONSIBILITY OF THOSE RESPECTIVE CONTRACTORS.
- THE ELECTRICAL CONTRACTOR WILL MAKE ALL REMOVALS REQUIRED FOR DEMOLITION OF THE EXISTING ELECTRICAL SYSTEM OR SYSTEMS.
- THE DRAWINGS AND SPECIFICATIONS MAY NOT SHOW ALL ITEMS TO BE REMOVED OR RELOCATED.
- THE CONTRACTOR MAY FIND IT NECESSARY TO REUSE EXISTING OPENINGS FOR NEW WORK. ANY COST ASSOCIATED WITH ENLARGING OR DECREASING THE SIZE OF THESE OPENINGS WILL BE THE ELECTRICAL CONTRACTOR'S RESPONSIBILITY.
- ALL DEMOLITION SHALL BE COORDINATED WITH THE OTHER TRADES INVOLVED INCLUDING THE ARCHITECT AND THE OWNER'S REPRESENTATIVE.
- THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR DISPOSING OF ALL REMOVED EQUIPMENT AND MATERIALS FROM THE JOBSITE UNLESS OTHERWISE DIRECTED. INCLUDE CUTTING AND PATCHING ASSOCIATED WITH REMOVAL WORK IN THE BID.
- ALL CONCEALED UNUSED CONDUITS SHALL BE CUT-OFF BEHIND REMAINING WALLS OR AT FLOORS AS REQUIRED. PATCH OPENING TO MATCH THE EXISTING SURFACE. ALL UNUSED RECESSED ELECTRIC BOXES SHALL BE COVERED AND PATCHED TO MATCH EXISTING WALL SURFACES. EXPOSED INACTIVE CONDUIT SHALL BE REMOVED BACK TO THE LAST ACTIVE JUNCTION BOX OR PANELBOARD.
- SPECIALTY AREAS: SPECIALTY AREAS INCLUDED IN THIS PROJECT ARE: CT SCAN SUITE, CT SCAN EQUIPMENT ROOM, AND CT SCAN CONTROL ROOM.
- OVERHEAD PAGING: ALL OVERHEAD PAGING HARDWARE IS REQUIRED TO CONNECT TO THE EXISTING VALCOM CAMPUS-WIDE OVERHEAD PAGING SYSTEM. COORDINATE WITH COR AND BIOMEDICAL DEPT.

### KVA METHOD OF SHORT CIRCUIT CALCULATION:

TRANSFORMER: 75,000 VA, 5% IMPEDANCE ASSUMED  
 480 / 208y-120 V, 3-PHASE  
 $FLC = VA / (SQ. RT. (3) * VOLTS) = 75,000 / (SQ. RT. (3) * 480V) = 90A$   
 $FLC = FLA / 5\% = 90A / 5\% = 1,800 \text{ AMPS.}$

### VOLTAGE DROP CALCULATION:

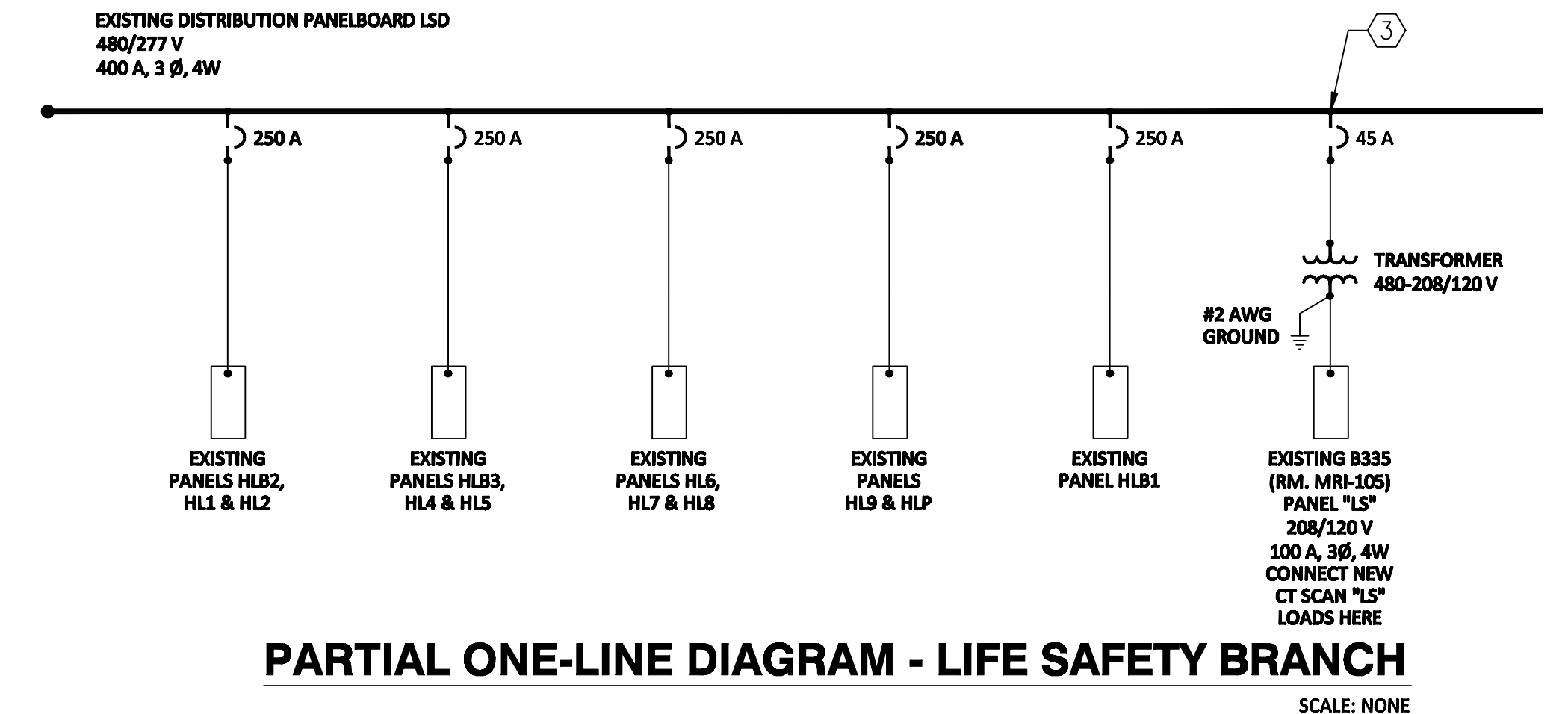
CONDUCTOR: COPPER (4/0)  
 VOLT/PH: 120/208 3PH. 4W.  
 TOTAL DISTANCE: 200 FT.  
 LOAD: 225 A

EST. DROP: 2.7 VOLTS  
 LOAD-AT-END: 117.3 VOLTS  
 VOLTAGE DROP: 2.3%

PANEL: N									
CONN. LOAD: 29.58 KVA		DEMAND LOAD: 28.58 KVA (79.33 A)							
MAINS: 225 A MB		VOLTAGE: 208Y/120 V, 3 Ø, 4 W							
LOCATION: CTS-136 (MECH RM)		MOUNTING: SURFACE							
REMARKS	KVA	BKR.	CKT. NO. AND PH.	BKR.	KVA	REMARKS			
EXTERIOR LITG	0.30-A	20/1	1 A 2	20/1	1.25-B	CORRIDOR REC			
CORRIDORS LITG	0.80-A	20/1	3 B 4	20/1	0.72-R	RV/DRSSING REC			
GENERAL LITG	0.75-A	20/1	5 C 6	20/1	0.64-R	CORRIDOR REC			
GENERAL LITG	1.10-A	20/1	7 A 8	20/1	0.72-R	MECH RM. REC			
ROOF REC LITG	1.10-B	20/1	9 A 10	20/1	1.66-R	ESP/CONS REC			
FC-3, FC-8	0.62-M	20/2	11 C 12	20/1	0.90-R	OFFICE REC			
FC-4, FC-5	0.62-M	20/2	13 A 14	20/1	0.50-L	SPARE			
	0.35-M	20/2	15 B 16	20/1	0.50-M	ENV-1			
CU-3	1.72-M	20/2	17 C 18	20/1	0.50-R	AUTO DOWN			
	1.72-M	20/2	19 A 20	20/1	0.90-R	AUTO DOWN			
	1.72-M	20/2	21 B 22	20/1	1.00-M	PATIENT LIFT			
CONTROL LITG	0.75-A	20/1	23 C 24	20/1	0.72-R	MECH RM. REC			
CT SCAN LITG	0.50-L	20/1	25 A 26	20/1	0.90-R	OFFICE REC			
CT SCAN LITG	0.75-L	20/1	27 B 28	20/1	0.54-R	STORAGE REC			
CT SCAN LITG	0.98-L	20/1	29 C 30	20/1	0.54-R	STORAGE REC			
GENERAL LITG	0.75-L	20/1	31 A 32	20/1	0.90-R	CONTROL REC			
SPARE	20/1	33 B 34	20/1	0.54-R	CONTROL REC				
SPARE	20/1	35 C 36	20/1	0.54-R	CONTROL REC				
SPARE	20/1	37 A 38	20/1	0.90-R	CT SCAN REC				
SPARE	20/1	39 B 40	20/1	0.90-R	CT SCAN REC				
SPARE	20/1	41 C 42	20/1	0.72-R	CT SCAN REC				
SPACE		43 A 44				SPACE			
SPACE		45 B 46				SPACE			
SPACE		47 C 48				SPACE			
SPACE		49 A 50				SPACE			
SPACE		51 B 52				SPACE			
SPACE		53 C 54				SPACE			

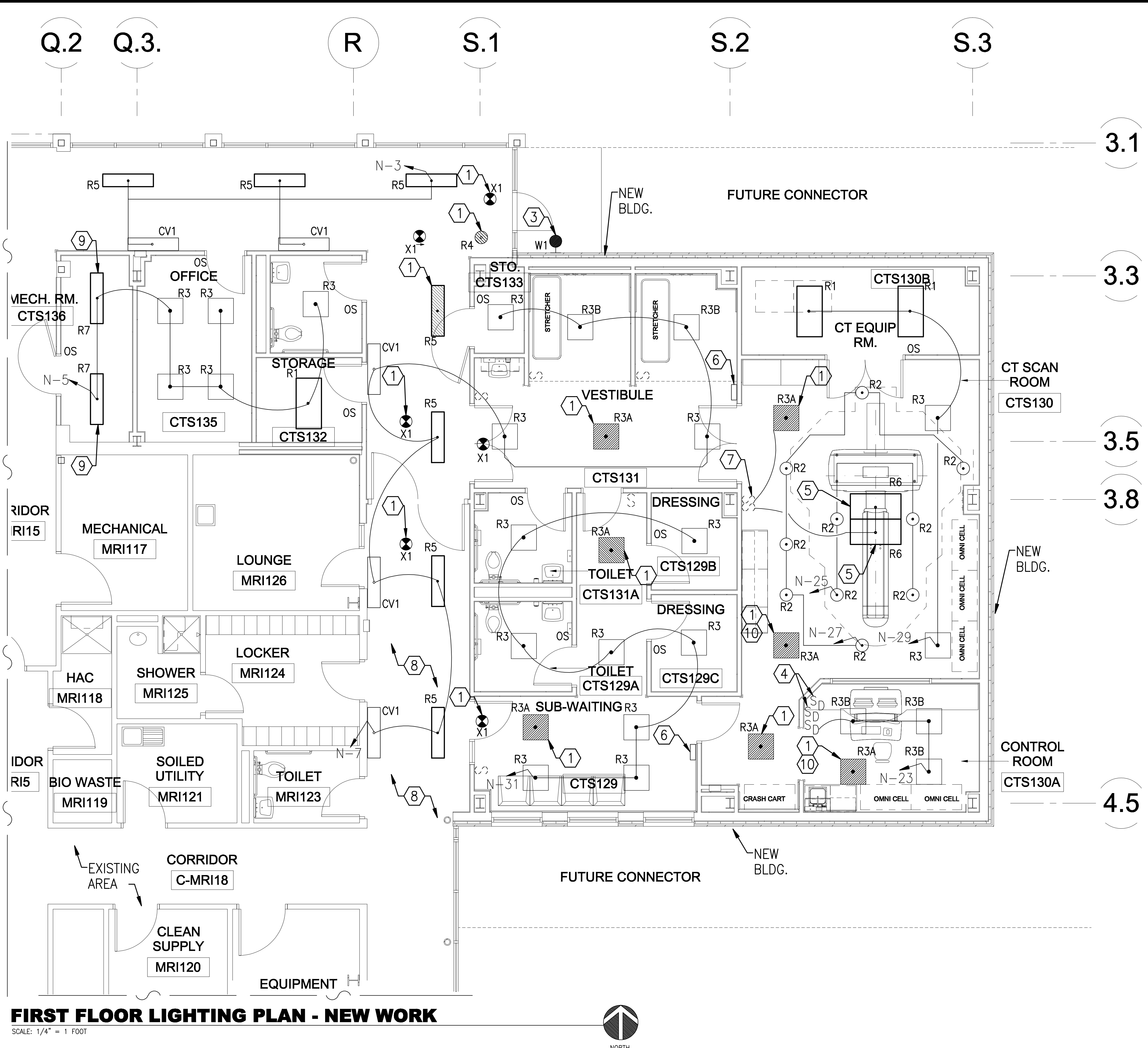
LEGEND: L-LIGHTING, R-RECEPTABLES, M-MOTORS, H-RESISTANCE HEAT, C-CONTROL, MLD-MAIN LINES ONLY, DBL-DOUBLE SET OF LINES, MB-MAIN BREAKER, LD-LOCKING CLIP, SF-SUB FEED LINES

PANEL: EQP									
CONN. LOAD: 88.81 KVA			DEMAND LOAD: 81.13 KVA (86.40 A)						
MAINS: 0 A MB			VOLTAGE: 208Y/120 V, 3 Ø, 4 W						
LOCATION: CTS-136 (MECH RM)			MOUNTING: SURFACE						
REMARKS	KVA	BKR.	CKT. NO. AND PH.		BKR.	KVA	REMARKS		
CU-1	8.67-M	80/3	1	A	2	80/3	8.67-M	CU-2	
	8.67-M		3	B	4	20/1	8.67-M		
FC-1	0.62-M	20/2	5	C	6	20/2	0.86-M	EF-1	
-	0.62-M	20/3	7	A	8	20/3	0.42-M	ERV-1 SUPP	
SPARE			9	B	10		0.42-M		
			11	C	12		0.42-M		
			13	A	14	20/3	0.28-M	ERV-1 EXH	
			15	B	16		0.28-M		
			17	C	18		0.28-M		
			19	A	20	20/1		SPARE	
SPARE			21	B	22	20/1		SPARE	
			23	C	24	20/1		SPARE	
			25	A	26			SPACE	
SPACE			27	B	28			SPACE	
SPACE			29	C	30			SPACE	
SPACE			31	A	32			SPACE	
SPACE			33	B	34			SPACE	
SPACE			35	C	36			SPACE	
SPACE			37	A	38			SPACE	
SPACE			39	B	40			SPACE	
SPACE			41	C	42			SPACE	
SPACE			43	A	44			SPACE	
SPACE			45	B	46			SPACE	
SPACE			47	C	48			SPACE	
SPACE			49	A	50			SPACE	
SPACE			51	B	52			SPACE	
SPACE			53	C	54			SPACE	



- | FEEDER KEY |                     |                    |              |              |                 |      |
|------------|---------------------|--------------------|--------------|--------------|-----------------|------|
| ID         | NOMINAL<br>APERTURE | NUMBER OF<br>SLOTS | FEEDER       |              |                 |      |
|            |                     |                    | WIRE<br>SIZE | GRID<br>SIZE | CONDUIT<br>SIZE |      |
| A          | 30                  | 1                  | 3            | 10           | 10              | .75" |
| B          | 60                  | 1                  | 3            | 1            | 10              | .75" |
| C          | 100                 | 1                  | 3            | 1            | 8               | 1.5" |
| D          | 125                 | 1                  | 4            | 1/0          | 6               | 2"   |
| E          | 150                 | 1                  | 4            | 1/0          | 6               | 2"   |
| F          | 200                 | 1                  | 4            | 3/0          | 6               | 2"   |
| G          | 225                 | 1                  | 4            | 4/0          | 6               | 2.5" |
| H          | 250                 | 1                  | 4            | 250          | 4               | 3"   |
| I          | 300                 | 1                  | 4            | 350          | 3               | 3"   |
| J          | 350                 | 1                  | 4            | 500          | 3               | 4"   |
| K          | 400                 | 1                  | 4            | 350          | 3               | 4"   |
| L          | 600                 | 2                  | 4            | 350          | 1               | 3"   |
| M          | 800                 | 2                  | 4            | 400          | 1/0             | 4"   |
| N          | 1000                | 3                  | 4            | 400          | 3/0             | 3"   |
| O          | 1200                | 3                  | 4            | 400          | 3/0             | 4"   |
| P          | 1500                | 4                  | 4            | 600          | 4/0             | 4"   |
| Q          | 2000                | 5                  | 4            | 600          | 250             | 4"   |
| R          | 2500                | 6                  | 4            | 600          | 350             | 4"   |
| S          | 4000                | 10                 | 4            | 600          | 500             | 4"   |
| T          | 5000                | 12                 | 4            | 600          | 700             | 4"   |
| U          | -                   | -                  | -            | -            | -               | -    |
| V          | -                   | -                  | -            | -            | -               | -    |
| W          | -                   | -                  | -            | -            | -               | -    |



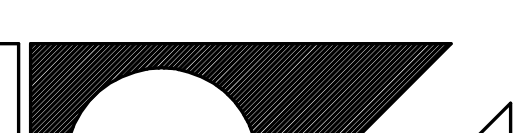
three inches = one foot  
one and one half inches = one foot  
one inch = one foot  
three quarters inch = one foot  
one half inch = one foot  
one quarter inch = one foot  
one eighth inch = one foot



**FIRST FLOOR LIGHTING PLAN - NEW WORK**

SCALE: 1/4" = 1 FOOT

- ELECTRICAL DRAWING NOTES**
- GENERAL NOTE: COORDINATE FINAL LIGHTING FIXTURE LOCATIONS WITH REFLECTED CEILING PLAN.
- CONNECT FIXTURE TO EMERGENCY CIRCUIT LS-5.
  - NOT USED.
  - CONNECT EXTERIOR LIGHTING FIXTURE TO EMERGENCY CIRCUIT LS-5.
  - PROVIDE DC DIMMING SYSTEM TO CONTROL RECESSED CAN LIGHTING IN CT SCAN SUITE. LOCATE DIMMER BOXES IN CT SCAN EQUIPMENT ROOM AND DIMMER CONTROLS IN CT SCAN CONTROL ROOM. PROVIDE TWO (2) 600-WATT CONTROLLED POWER COMPANY SUITELITE SERIES "SCLU" OR EQUAL. ONE SHALL BE USED FOR EACH DIMMING CIRCUIT.
  - R6 FIXTURES TO HAVE SPECIAL "NATURE SCENE" LENS. SEE LIGHTING FIXTURE SCHEDULE, SHEET ES 2.0.
  - PROVIDE "CT SCAN IN USE" WARNING LIGHT AT THIS LOCATION, PROVIDE SWITCHING IN CONTROL ROOM. REFER TO VA DESIGN GUIDE - PROVIDE INTERFACE WITH CT CONTROLLER VIA INTERFACE RELAY WITH CT SCAN EQUIPMENT.
  - SWITCH CONTROL PANEL LOCATION FOR CT-SCAN ROOM LIGHTING.
  - MINOR DEMOLITION IN EXISTING CORRIDOR SPACE - PROVIDE DEMOLITION OF ANY RECEPTACLES, LIGHTING, AND CIRCUITRY AFFECTED BY CORRIDOR RENOVATION INCLUDING, BUT NOT LIMITED TO, 1'X4' LAY IN CEILING FIXTURES AND COVE LIGHT FIXTURES.
  - NO CEILING IN THIS SPACE. SUSPEND FIXTURES USING CHAINS. COORDINATE HEIGHT WITH ARCHITECT.
  - ALL R3 FIXTURES IN THIS SPACE ARE ON THE SAME SWITCHING.

00233.00		ISSUED FOR BIDDING		01-31-2013		<div></div> <div><b>CONTECH DESIGN, INCORPORATED</b> <i>Consulting Professional Engineers</i></div> <div>519 Windsor Park Dr., Centerville, Ohio 45459 Phone: (937) 435-3722 Fax: (937) 435-4685 Email: engineers@contechdesigns.com Engineer Project # 12014</div>		<div></div>		Revised By:		Drawing Title <b>ELECTRICAL NEW WORK LIGHTING FLOOR PLANS</b>		Project Title SITE PREP FOR CT SCANNER		Date 01-31-2013		<div></div> <div>VA Department of Veterans Affairs</div>
										Project No. 552-CSI-333								
								Approved: Project Manager RANDI FIORINA		Building Number 335		Checked PNS	Drawn CONTECH	Drawing No. ES 3.0				
								Approved: Service Chief GARY ABREU		Location 4100 WEST THIRD STREET DAYTON, OH 45428								